



August 4, 2006

Santa Rosa Associates II
c/o INDUSTRIAL REALTY CO. of CA.
1091 Industrial Road Suite 101
San Carlos, California 94070-4118

SUBJECT: Groundwater Monitoring - Second Quarter 2006
3842 Finley Avenue
Santa Rosa, California

Dear Sirs:

Atlas Engineering Services, Incorporated (Atlas) respectfully submits the following report on groundwater monitoring conducted during the second quarter of 2006 at 3842 Finley Avenue in Santa Rosa, California. The scope of work completed includes sampling of one (1) monitor well and one (1) set of water level measurements at the three (3) monitor wells, as required by the North Coast Regional Water Quality Control Board (NCRWQCB) "Monitoring and Reporting Program No. R1-2002-0052 (issued May 10, 2002)". Attached to this report are copies of the field notes, chain-of-custody form, and lab reports.

Introduction

The above-referenced site is reported to have formerly contained underground storage tanks (USTs) used for aviation gasoline. Three (3) monitor wells (MW-1, MW-2, and MW-3) are present on the site (Figure 2). Prior to August 1997, monitoring was conducted by other consultants. This report documents sampling of monitor well MW-2 and water level measurements at MW-1, MW-2, and MW-3 conducted at the site in the second quarter of 2006 by Atlas. Monitor well MW-2 was sampled on June 15, 2006. Water level measurements at MW-1, MW-2, and MW-3 were also taken on June 15, 2006.

Purging

On June 15, 2006, depth to water (DTW) was measured in monitor wells MW-1, MW-2, and MW-3 prior to the purging of MW-2. Monitor wells MW-1 and MW-3 were not purged or sampled.

MW-1: DTW was measured at six and fifty hundredths (6.50) feet below the top of casing (TOC).

MW-2: Prior to purging, DTW was measured at five and eighty-seven hundredths (5.87) feet below the TOC. A two-inch (2") diameter submersible pump was used to purge the well. Purge water was discharged into a fifty-five (55) gallon drum for volume measurement. A petroleum odor was noted in the purged groundwater. A total of thirty (30) gallons were purged from the well, equal to three (3) casing volumes.

MW-3: DTW was measured at six and thirty-five hundredths (6.35) feet below the TOC.



Santa Rosa Associates II
August 4, 2006

Sampling

Atlas waited to collect a groundwater sample until the water level had recovered to eighty percent (80%) of its original level. Then a new, clean polyethylene bailer was used to remove a volume of water from the well for collection of a sample. Three (3) volatile organic analysis (VOA) vials, each containing preservative, were filled with groundwater from the bailer. All of the VOA vials were labeled with the date, location, and sampler, prior to storage on blue-ice in a cooler. Water generated by purging and sampling was placed in a storage tank pending sample analysis.

Laboratory Analyses

The sample containers were transported under chain of custody (see attached) to Entech Analytical Labs, Inc., a state certified laboratory, for analyses. The sample was analyzed for Total Petroleum Hydrocarbons as gas (TPH-gas) benzene, toluene, ethylbenzene, and xylenes (BTEX) by the methods listed in the attached lab report.

Copies of the lab reports are attached. Sample results are presented in Table 1 with previous results.

MW-2: The MW-2 groundwater sample was reported to contain 6.7 milligrams per liter (mg/L) TPH-gas, 1,300 micrograms per liter (ug/L) benzene, 77 ug/L ethylbenzene, and 49 ug/L xylenes. The lab reported no detectable toluene.

Quality Control

Quality control is included in the attached lab reports.

Horizontal Hydraulic Gradient

Immediately upon arrival at the site, and prior to purging and sampling, DTW measurements were taken at all three (3) wells by Atlas on June 15, 2006 using an electronic well sounder (see attached field notes). To calculate the horizontal hydraulic gradient, Atlas used TOCs referenced to Mean Sea Level (MSL) (Table 3) and casing coordinates (Table 2) surveyed by Atlas using global positioning survey (GPS) equipment on August 18, 2004. The water surface elevations (WSEs) were calculated as the difference between TOC and DTW (Table 3).

Using such data, the horizontal hydraulic gradient was calculated for June 15, 2006 to be twenty ten-thousandths (0.0020) foot per foot in a direction approximately two hundred seventy (270) degrees clockwise from north, or towards the west (Table 4; Figure 2).



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Summary and Conclusions

This report has been prepared to document quarterly groundwater monitoring conducted at 3842 Finley Avenue, in Santa Rosa, California (Figure 1) during the second quarter of 2006. The sampling and analyses were conducted in accordance with the requirements of the NCRWQCB "Monitoring and Reporting Program No. R1-2002-0052". In accordance therewith, monitor wells MW-2 was sampled on June 15, 2006.

Analyses of the MW-2 groundwater sample reported 6.7 mg/L TPH-gas, 1,300 ug/L benzene, 77 ug/L ethylbenzene, and 49 ug/L xylenes. No toluene was detected.

Water level measurements were collected at all three (3) wells (Table 3). The horizontal hydraulic gradient was calculated for June 15, 2006 to be twenty ten-thousandths (0.0020) foot per foot in a direction approximately two hundred seventy (270) degrees clockwise from north, or towards the west.

Recommendations

In accordance with "Monitoring and Reporting Program No. R1-2002-0052" issued by the NCRWQCB for the site, Atlas recommends sampling of monitor well MW-2 during the next quarter, and collection of water level measurements from all three (3) wells for use in determining the horizontal hydraulic gradient.

Please call me at (831) 426-1440 if you have any questions or require additional information.

Sincerely,



Frederick A. Yukic, MS, PE
Principal Engineer

cc: Mr. Kasey Ashley, NCRWQCB
Mr. Gerald Vincent, USACE

Table 1.
Water Analytical Results
Santa Rosa Air Center
3842 Finley Avenue
Santa Rosa, California

Location	Date	TPH-gas	TPH-avgas	TEPH	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Semi Volatile Organic s
		mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Overex.	4/20/1992	0.13	--	--	1.7	ND	0.8	ND	--	--
MW-1	3/4/1994	0.09	--	--	ND	0.5	ND	0.7	--	--
	6/30/1994	0.26	--	--	ND	ND	ND	ND	--	--
	10/5/1994	ND	--	--	ND	ND	ND	ND	--	--
	12/15/1994	ND	--	--	ND	ND	ND	ND	--	--
	6/21/1995	0.15	--	--	ND	11.0	3.3	1.5	--	--
	9/25/1995	0.24	--	--	1.4	ND	ND	ND	--	--
	3/8/1996	0.12	--	--	0.89	ND	ND	ND	--	--
	12/24/1996	0.059	--	--	ND	ND	ND	ND	--	--
	4/14/1997	0.055	--	--	ND	ND	ND	ND	--	--
	7/16/1997	0.053	--	--	ND	ND	ND	ND	--	--
	8/19/1997	0.12	--	--	ND	ND	ND	ND	ND	--
	11/14/1997	0.055	--	--	ND	ND	ND	ND	ND	--
	2/17/1998	ND	--	--	ND	ND	ND	ND	ND	--
	5/14/1998	0.12	--	--	ND	ND	ND	ND	ND	--
	11/19/1998	ND	--	--	ND	ND	ND	ND	ND	--
	5/18/1999	ND	0.072	--	ND	ND	ND	ND	ND**	--
	11/23/1999	ND	ND	--	ND	ND	ND	ND	ND**	--
	5/16/2000	ND	ND	--	ND	ND	ND	ND	ND**	--
	11/21/2000	ND	ND	--	ND	ND	ND	ND	ND	--
	6/4/2001	0.064	--	--	ND	ND	ND	ND	ND	--
	12/8/2001	0.114	--	--	ND	2.2	ND	2.9	--	--
	5/17/2002	ND	--	--	ND	ND	ND	ND	--	--
	2/20/2003	ND	--	--	ND	ND	ND	ND	--	--
	2/28/2004	ND	--	--	ND	ND	ND	ND	ND	--
	2/17/2005	ND	--	--	ND	ND	0.6	2.5	--	ND
	2/16/2006	ND	--	--	ND	ND	ND	ND	--	--

Notes: * = by EPA Method 8240

** = by EPA Method 8260

*** = chromatogram pattern is not typical of fuel

Table 1.
Water Analytical Results
Santa Rosa Air Center
3842 Finley Avenue
Santa Rosa, California

Location	Date	TPH-gas	TPH-avgas	TEPH	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	VOCs	Diesel Fuel #2	Kerosene	Motor Oils	Semi Volatile Organics	Stoddard
		mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-2	3/4/1994	1.3	--	--	46.	26.	14.	29.	--	--	--	--	--	--	--
	6/30/1994	2.2	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--
	10/5/1994	0.32	--	--	150.	1.7	4.4	5.	--	--	--	--	--	--	--
	12/15/1994	0.58	--	--	57.	ND	ND	ND	--	--	--	--	--	--	--
	6/21/1995	3.6	--	--	1200.	5.9	140.	37.	--	--	--	--	--	--	--
	9/25/1995	4.1	--	--	1300.	7.1	150.	28.	--	--	--	--	--	--	--
	3/8/1996	8.6	--	--	2600.	10.	270.	46.	--	--	--	--	--	--	--
	12/24/1996	8.5	--	--	3100.	9.4	350.	33.	--	--	--	--	--	--	--
	4/14/1997	9.1	--	--	3200.	11.	310.	40.	--	--	--	--	--	--	--
	7/16/1997	4.8	--	--	1800.	16.	130.	11.	--	--	--	--	--	--	--
	8/19/1997	2.1	--	--	290.	ND	ND	ND	ND	--	--	--	--	--	--
	11/14/1997	3.7	--	--	220.	ND	6.	2.6	ND	--	--	--	--	--	--
	2/17/1998	1.5	--	ND	97.	ND	1.	0.79	ND	--	--	--	--	--	--
	5/14/1998	1.5	--	--	140.	ND	3.3	0.71	41.	--	--	--	--	--	--
	8/18/1998	2.5	--	--	610.	ND	ND	ND	ND	--	--	--	--	--	--
		--	--	--	530*	ND*	ND*	ND*	ND*	--	--	--	--	--	--
	11/19/1998	3.2	--	--	480.	0.76	8.	4.3	15.	--	--	--	--	--	--
		--	--	--	--	--	--	--	ND**	--	--	--	--	--	--
	2/11/1999	ND	0.16	--	72.	1.1	0.81	ND	ND**	--	--	--	--	--	--
	5/18/1999	ND	2.0	--	370.	ND	4.5	2.9	ND**	--	--	--	--	--	--
	8/17/1999	2.3	ND	--	490.	24.	15.	8.3	ND**	--	--	--	--	--	--
	11/23/1999	3.6	ND	--	310.	19.	10.	ND	ND**	--	--	--	--	--	--
	1/13/2000	2.5	ND	--	120.	3.3	2.2	1.5	ND**	--	--	--	--	--	--
	5/16/2000	2.7	ND	--	380.	11.	22.	19.	ND**	--	--	--	--	--	--
	8/24/2000	1.0	ND	--	400.	ND	6.6	ND	ND**	--	--	--	--	--	--
	11/21/2000	2.3	1.8	--	200.	4.4	4.1	3.4	34.	--	--	--	--	--	--

Notes: * = by EPA Method 8240

** = by EPA Method 8260

*** = chromatogram pattern is not typical of fuel

**** = chromatogram pattern is not typical of diesel or kerosene, due to gasoline overlap

***** = chromatogram pattern is not typical of motor oils, due to single peaks

Table 1.
Water Analytical Results
Santa Rosa Air Center
3842 Finley Avenue
Santa Rosa, California

Location	Date	TPH-gas	TPH-avgas	TEPH	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	VOCs	Diesel Fuel #2	Kerosene	Motor Oils	Semi Volatile Organics	Stoddard
		mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-2 - Cont.	2/26/2001	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	5/22/2001	4.7	--	--	200.	32.	1.	5.	ND**	--	--	--	--	--	--
	9/1/2001	2.0	--	--	390.	11.	8.	2.	--	--	--	--	--	--	--
	12/8/2001	9.67	--	--	1190.	46.5	1050.	506.	--	--	--	--	--	--	--
	2/28/2002	7.63	--	--	2250.	48.6	448.	231.	--	--	--	--	--	--	--
	5/17/2002	9.08	--	--	2180.	37.8	470.	161.	--	--	--	--	--	--	--
	8/23/2002	5.45	--	--	1000.	35.8	195.	77.8	--	--	--	--	--	--	--
	11/21/2002	4.85	--	--	920.	35.1	297.	131.	--	--	--	--	--	--	--
	2/20/2003	4.35	--	--	1190.	11.	201.	83.2	--	--	--	--	--	--	--
	5/23/2003	8.16	--	--	1220.	28.2	436.	110.	--	--	--	--	--	--	--
	8/15/2003	5.21	--	--	938.	20.	200.	50.	--	--	--	--	--	--	--
	11/20/2003	7.33	--	--	1360.	24.1	345.	117.	--	--	--	--	--	--	--
	2/28/2004	3.61	--	--	524.	7.5	125.	42.1	ND	--	--	--	--	--	--
	5/20/2004	4.28	--	--	934.	9.7	73.7	39.7	ND	--	--	--	--	--	--
	8/18/2004	1.64	--	--	852.	12.9	117.	33.3	--	--	--	--	--	--	--
	10/29/2004	8.22	--	--	2100.	14.7	424.	123.	--	--	60****	129****	11****	--	--
	2/17/2005	4.29	--	--	547.	18.8	124.	31.2	--	--	--	--	--	0.146	--
	5/17/2005	1.82	--	--	637.	3.1	97.5	22.5	--	--	0.11****	0.12****	ND	--	0.14***
	9/1/2005	4.1	--	--	1000.	ND	78.	14.	--	--	ND	290***	ND	--	ND
	11/17/2005	5.3	--	--	1100.	ND	23.	5.8	--	--	ND	ND	ND	--	ND
	2/16/2005	3.3	--	--	440.	ND	76.	16.	--	--	--	--	--	--	--
	6/15/2006	6.7	--	--	1300.	ND	77.	49.	--	--	--	--	--	--	--

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Table 1.
Water Analytical Results
Santa Rosa Air Center
3842 Finley Avenue
Santa Rosa, California

Location	Date	TPH-gas	TPH-avgas	TEPH	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	VOCs
		mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-3	3/4/1994	ND	--	--	ND	ND	ND	ND	--	--
	6/30/1994	0.84	--	--	ND	ND	ND	ND	--	--
	10/5/1994	ND	--	--	ND	ND	ND	ND	--	--
	12/15/1994	ND	--	--	ND	ND	ND	ND	--	--
	6/21/1995	ND	--	--	0.8	ND	ND	ND	--	--
	9/25/1995	ND	--	--	ND	ND	ND	ND	--	--
	3/8/1996	ND	--	--	ND	ND	ND	ND	--	--
	12/24/1996	0.052	--	--	1.1	ND	ND	0.69	--	--
	4/14/1997	ND	--	--	ND	ND	ND	ND	--	--
	7/16/1997	0.056	--	--	ND	ND	ND	ND	--	--
	8/19/1997	0.9	--	--	ND	ND	ND	ND	ND	--
	11/14/1997	0.19	--	--	ND	ND	ND	ND	ND	--
	2/17/1998	ND	--	--	0.7	ND	ND	ND	ND	--
	5/14/1998	ND	--	--	ND	ND	ND	ND	ND	--
	11/19/1998	0.058	--	--	ND	ND	ND	ND	ND	--
	5/18/1999	ND	0.082	--	ND	ND	ND	ND	ND**	--
	11/23/1999	0.066***	ND	--	ND	ND	ND	ND	ND**	--
	5/16/2000	ND	ND	--	ND	ND	ND	ND	ND**	--
	11/21/2000	0.077***	ND	--	ND	ND	ND	ND	ND	--
	6/4/2001	0.1	--	--	ND	ND	ND	ND	ND**	--
	12/8/2001	0.091	--	--	ND	ND	ND	ND	--	--
	5/17/2002	0.06	--	--	ND	ND	ND	ND	--	--
	2/20/2003	ND	--	--	0.6	ND	ND	ND	--	--
	2/28/2004	0.059	--	--	ND	ND	ND	ND	ND	--
	2/17/2005	0.081	--	--	4.5	ND	ND	ND	--	--
	2/16/2006	0.030	--	--	ND	ND	ND	ND	--	--

Notes: * = by EPA Method 8240

** = by EPA Method 8260

*** = chromatogram pattern is not typical of fuel

Table 2
Monitor Well Coordinates
3842 Finley Avenue
Santa Rosa, California

Well	Easting	Northing
MW-1	5,913,720.80	2,346,339.39
MW-2	5,913,598.50	2,346,408.63
MW-3	5,913,567.51	2,346,287.18

Notes: California Coordinates measured on August 18, 2004
by Atlas using GPS equipment.

Table 3
Water Level Measurements
3842 Finley Avenue
Santa Rosa, California

Well	Top of Casing (TOC)	Depth to Water Elevation (DTW)	Water Surface Elevation (WSE)
<u>June 15, 2006</u>			
MW-1	97.60	6.50	91.10
MW-2	96.73	5.87	90.86
MW-3	97.15	6.35	90.80

Notes: Elevations referenced to Mean Sea Level (MSL)
All measurements are in feet.

Table 4.
Horizontal Hydraulic Gradients
3842 Finley Avenue
Santa Rosa, California

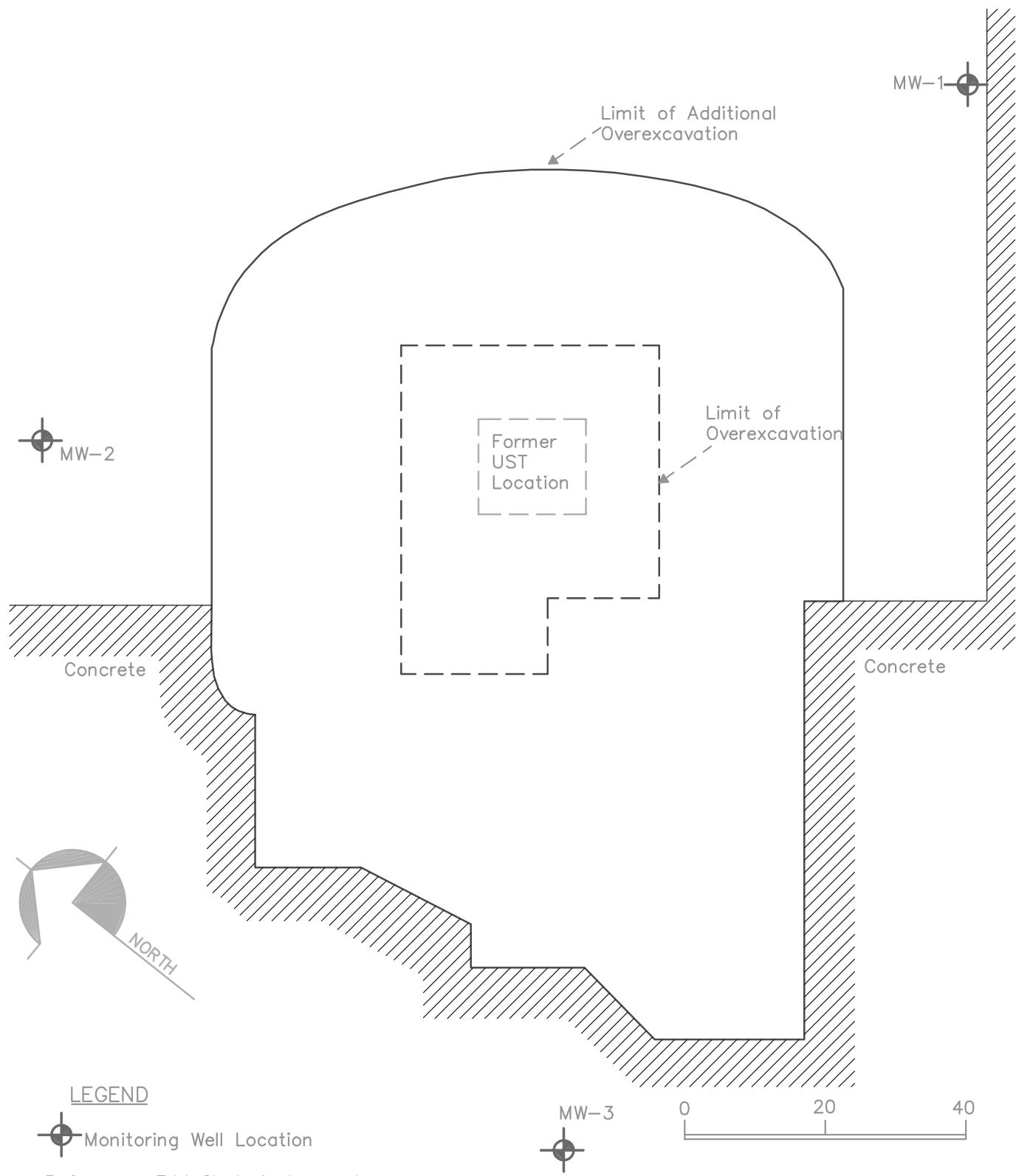
Date	Magnitude	Angle from North
4/24/1994	0.001	215
5/27/1994	0.002	232
6/30/1994	0.001	238
7/21/1994	0.0017	237
8/26/1994	0.0016	258
10/5/1994	0.0016	246
10/21/1994	0.002	248
12/15/1994	0.001	149
6/21/1995	0.003	198
9/25/1995	0.002	235
3/8/1996	0.001	164
12/24/1996	0.001	152
4/14/1997	0.002	196
7/16/1997	0.002	255
8/19/1997	0.0016	306
9/16/1997	0.0023	269
10/17/1997	0.0013	321
11/14/1997	0.0015	283
12/18/1997	0.0010	124
1/16/1998	0.0013	144
2/17/1998	0.00044	274
3/12/1998	0.0010	241
4/16/1998	0.0016	239
5/14/1998	0.0022	216
6/16/1998	0.0028	233
8/18/1998	0.0016	244
11/19/1998	0.0014	257
2/11/1999	0.0015	168
5/18/1999	0.0018	236
9/27/1999	0.0030	268
11/23/1999	0.0015	292
1/13/2000	0.0017	260
5/16/2000	0.0022	230
8/24/2000	0.0020	271
11/21/2000	0.0019	287
2/26/2001	0.0007	181
5/22/2001	0.0018	253
9/1/2001	0.0044	295
12/8/2001	0.0076	125
3/26/2002	0.0017	196
5/17/2002	0.0023	224
8/23/2002	0.0087	106
11/21/2002	0.0016	319
2/20/2003	0.0016	170
5/23/2003	0.0016	233
8/15/2003	0.0028	260
11/20/2003	0.0021	265
2/28/2004	0.0017	183
5/20/2004	0.0020	235
8/18/2004	0.0029	260
10/29/2004	0.0019	282

Note: Beginning 8/18/04, gradients calculated
using coordinates determined by Atlas using GPS equipment

Table 4.
Horizontal Hydraulic Gradients
3842 Finley Avenue
Santa Rosa, California

Date	Magnitude	Angle from North
2/17/2005	0.0013	167
5/17/2005	0.0018	213
9/1/2005	0.0070	135
11/17/2005	0.0016	282
2/16/2006	0.0012	196
6/15/2006	0.0020	270





FIELD SHEET

JOB/SITE NAME: SRAC
 WORK DONE BY: JE

Date: 6/15/06ACTIVITY: Quarterly Gw Monitoring - 2nd Quarter 2006

EQUIPMENT RENTAL/DRILLER:	HOURS

NOTES:	TIME	DESCRIPTION												
	1000	Arrived onsite. - wells overgrown w/ grass, looking for MW-2 and MW-1												
		Found wells - opening												
		Measured depth to water using electronic sounder.												
		<table border="1"> <thead> <tr> <th>ID</th> <th>DTW</th> <th>DTW-2</th> </tr> </thead> <tbody> <tr> <td>MW-1</td> <td>6.50</td> <td>6.50</td> </tr> <tr> <td>MW-3</td> <td>6.34</td> <td>6.35</td> </tr> <tr> <td>MW-2</td> <td>5.87</td> <td>5.87</td> </tr> </tbody> </table>	ID	DTW	DTW-2	MW-1	6.50	6.50	MW-3	6.34	6.35	MW-2	5.87	5.87
ID	DTW	DTW-2												
MW-1	6.50	6.50												
MW-3	6.34	6.35												
MW-2	5.87	5.87												
		Checked for free product in MW-2 w/ trailer. None observed.												
	1230	Leaving site												
		Well purged w/ 12 volt pump Purge water stored in on site tank.												

DATA SHEET FOR SAMPLING WELL

MW-2

JOB NAME SRAC
SAMPLED BY JE

DATE 6/15/06
SHEET 1 OF 1

USE POSITIVE VALUES

WELL DEPTH (WD) 21'

INITIAL DEPTH TO WATER (DTWI) 5.87

(WD - DTWI) (X GAL/FT) = CASING VOLUME (CV)

$$(21 - 5.87) (0.66 \text{ GAL/FT}) = 9.98 \text{ GAL/CV}$$

(3 CV) (GAL/CV) = 3 CASING VOLUMES

(3) (0.98) = 30 GALLONS NEED TO BE PURGED

DIA.	X
2"	0.17
4"	0.66
6"	1.5

FINAL DEPTH TO WATER (DTWF) 14.3

$$0.2 \text{ (DTWF)} + 0.8 \text{ (DTWI)} = \text{DTW FOR 80\% RECOVERY (DTW 80\%R)}$$

$$0.2 (\underline{14.3}) + 0.8 (\underline{5.87}) = 7.56 \text{ FT MAX. BEFORE SAMPLING}$$

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

**Fred Yukie
Atlas Engineering Services
P.O. Box 1260
Santa Cruz, CA 95061**

**Lab Certificate Number: 50014
Issued: 06/30/2006**

Global ID: T060972349

**Project Name: SRAC
Project Location: Finley Ave, Santa Rosa**

Certificate of Analysis - Final Report

On June 19, 2006, a sample was received under chain of custody for analysis.

Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	TPH-Purgeable: GC/MS VOCs: EPA 5030C / EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Atlas Engineering Services
P.O. Box 1260
Santa Cruz, CA 95061
Attn: Fred Yukic

Project Name: SRAC
Project Location: Finley Ave, Santa Rosa
GlobalID: T060972349

Certificate of Analysis - Data Report

Samples Received: 06/19/2006

Sample Collected by: Client

Lab #: 50014-001 Sample ID: MW-2

Matrix: Liquid Sample Date: 6/15/2006 12:00 PM

VOCs: EPA 5030C / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	1300		25	12	µg/L	N/A	N/A	6/28/2006	WM1060627
Toluene	ND		25	12	µg/L	N/A	N/A	6/28/2006	WM1060627
Ethyl Benzene	77		25	12	µg/L	N/A	N/A	6/28/2006	WM1060627
Xylenes, Total	49		25	12	µg/L	N/A	N/A	6/28/2006	WM1060627
Surrogate	Surrogate Recovery			Control Limits (%)				Analyzed by: XBian	
4-Bromofluorobenzene	84.0			60 - 130				Reviewed by: MFelix	
Dibromofluoromethane	113			60 - 130					
Toluene-d8	107			60 - 130					

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	6700		25	620	µg/L	N/A	N/A	6/28/2006	WM1060627
Surrogate	Surrogate Recovery			Control Limits (%)				Analyzed by: XBian	
4-Bromofluorobenzene	81.2			60 - 130				Reviewed by: MFelix	
Dibromofluoromethane	129			60 - 130					
Toluene-d8	111			60 - 130					

Entech Analytical Labs, Inc.

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Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B

QC Batch ID: WM1060627

Validated by: MFelix - 06/29/06

QC Batch Analysis Date: 6/27/2006

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	101	60	-	130
Dibromofluoromethane	85.2	60	-	130
Toluene-d8	99.0	60	-	130

Method Blank - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM1060627

Validated by: MFelix - 06/29/06

QC Batch Analysis Date: 6/27/2006

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	97.4	60	-	130
Dibromofluoromethane	96.7	60	-	130
Toluene-d8	102	60	-	130

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LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8260B

QC Batch ID: WM1060627

Reviewed by: MFelix - 06/29/06

QC Batch ID Analysis Date: 6/27/2006

LCS

Parameter	Method	Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene		<0.50	20	19.6	µg/L	98.0	70 - 130
Methyl-t-butyl Ether		<1.0	20	15.2	µg/L	76.0	70 - 130
Toluene		<0.50	20	17.9	µg/L	89.5	70 - 130
Surrogate	% Recovery	Control Limits					
4-Bromofluorobenzene	94.6	60	-	130			
Dibromofluoromethane	84.0	60	-	130			
Toluene-d8	95.3	60	-	130			

LCSD

Parameter	Method	Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene		<0.50	20	19.8	µg/L	99.0	1.0	25.0	70 - 130
Methyl-t-butyl Ether		<1.0	20	15.6	µg/L	78.0	2.6	25.0	70 - 130
Toluene		<0.50	20	17.7	µg/L	88.5	1.1	25.0	70 - 130
Surrogate	% Recovery	Control Limits							
4-Bromofluorobenzene	96.3	60	-	130					
Dibromofluoromethane	88.5	60	-	130					
Toluene-d8	95.5	60	-	130					

LCS / LCSD - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM1060627

Reviewed by: MFelix - 06/29/06

QC Batch ID Analysis Date: 6/27/2006

LCS

Parameter	Method	Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline		<25	120	146	µg/L	116	65 - 135
Surrogate	% Recovery	Control Limits					
4-Bromofluorobenzene	95.8	60	-	130			
Dibromofluoromethane	97.6	60	-	130			
Toluene-d8	100.0	60	-	130			

LCSD

Parameter	Method	Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline		<25	120	138	µg/L	110	5.2	25.0	65 - 135
Surrogate	% Recovery	Control Limits							
4-Bromofluorobenzene	90.2	60	-	130					
Dibromofluoromethane	101.0	60	-	130					
Toluene-d8	94.1	60	-	130					

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MS / MSD - Liquid - VOCs: EPA 5030C / EPA 8260B

QC Batch ID: WM1060627

Reviewed by: dba - 06/29/06

QC Batch ID Analysis Date: 6/27/2006

MS Sample Spiked: 50002-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	20	20.1	µg/L	6/27/2006	100	70 - 130
Methyl-t-butyl Ether	ND	20	15.1	µg/L	6/27/2006	75.5	70 - 130
Toluene	ND	20	19.7	µg/L	6/27/2006	98.5	70 - 130
Surrogate	% Recovery						Control Limits
4-Bromofluorobenzene	78.5	60	-	130			
Dibromofluoromethane	88.6	60	-	130			
Toluene-d8	101.0	60	-	130			

MSD Sample Spiked: 50002-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	20	19.7	µg/L	6/27/2006	98.5	2.0	25.0	70 - 130
Methyl-t-butyl Ether	ND	20	15.0	µg/L	6/27/2006	75.0	0.66	25.0	70 - 130
Toluene	ND	20	19.6	µg/L	6/27/2006	98.0	0.51	25.0	70 - 130
Surrogate	% Recovery						Control Limits		
4-Bromofluorobenzene	76.2	60	-	130					
Dibromofluoromethane	88.7	60	-	130					
Toluene-d8	104.0	60	-	130					

